DAILY FIELD ACTIVITY REPORT

PROJECT NAME: Pre-Remedial Design Investigation and Baseline Sampling, Portland Harbor Superfund Site

DATE: June 25, 2018	**WEATHER:** Overcast, High ~73 degrees F

Personnel and Visitors Onsite:
Research vessel Cayuse – CDM Smith: Juee Trump; AECOM: Michaela McCoog; Geosyntec: Joe Orro; Gravity Marine: John Schaefer, Maggie McKeon

Planned Activity:

- Collect surface sediment samples at stratified random, sediment management area (SMA) and co-located core locations on Vigor property and locations approved by EPA to be revisited and/or relocated. Perform reconnaissance down river at boring locations near shore to determine if any are inaccessible.

Activity Completed:
A tailgate safety meeting was led by AECOM. Topics discussed during the safety meeting included daily activities, fatigue and lifting.

Julee Trump performed oversight of surface sediment sampling and boring location reconnaissance from 08:00 to 17:00 on board the Cayuse. Specific activities completed by the AECOM/Geosyntec team, with vessel support from Gravity Marine, are as follows:

- Position check at PH-2 indicated that the vessel GPS was reading within 1.2 meters of the PH-2 survey coordinates, meeting the 1-2 m accuracy specification in the FSP.
- 3-point composite surface sediment samples were collected from 1 SMA, and 1 stratified random locations near RM 8.2 at the mouth of Swan Island Lagoon (SIL) as summarized below. Activities included decontamination of sampling equipment using Alconox and deionized/distilled water and housekeeping of the sampling area.
- Visited sediment coring locations between RM 1.8 and 10.5 to check for and document obstructions and potential accessibility and sample feasibility issues that may arise during sampling.

Status of Schedule & Priority Work:

- Reconnaissance of remaining surface sediment and sediment coring locations may be performed until the Upriver/downtown reach sampling plans are approved. One additional sample (SG-B420) is planned for collection at Alternate 2 location tomorrow.
- A few other surface sediment locations remain to be sampled where access agreement issues have not been resolved. Sampling on private property locations will continue at locations with property access agreements.

Issues/Concerns/Resolutions (include work performed that was not planned or anticipated):
SG-B264 was located under a dry dock. Alternate 1 was sampled in the 50-FT radius as it was also partially located under a drydock with only part of the 50 ft radius accessible. The move to accessible area at Alternate 1 was approved by EPA during conference call with the PreRD Group on 6/15/2018.

Sediment reconnaissance indicated that the following sediment coring locations were found to be inaccessible in the 25-ft radius and partially accessible within the 50 ft radius due to structures, barges and/or proximity to the shoreline: SC-S061, SC-S082, SC-S112, SC-S121, SC-S036, SC-S033 (edge of 25 ft radius accessible), SC-S066, SC-S095 (edge of 25 ft radius accessible), SC-S140, SC-S189 (edge of 25 ft radius accessible), SC-S095 (edge of 50 ft radius accessible)

The following boring locations were found to be inaccessible within the 50 ft radius:
SC-S053 (~RM4.3W) was located in an area too shallow to access. The closest point of access is 68 FT from target
SC-S105: (near RM6W) was located near or onshore. Closest point of access is 66 FT from target
SC-S232: (~RM9W) was located under/behind a pier. Closest point of access is 128 FT from target
SC-S255: (~RM9.6W) was located onshore. Closest point of access is 95 FT from target
SC-S260 (~RM10.3W) was located under/behind a pier. Closest point of access is 85 FT from target

Samples Collected, Measurements Made, Photographs: (List Locations, Matrix & Sample type):
On the Cayuse, sediment samples were collected at the following sampling locations:

- PDI-SG-S175 – RM 8.2 SIL W, ~161-166 FT from target (move from the target location approved by EPA on the 6/15/2018 conference call), clayey silt with interbedded layers of sand, trace sheen
- PDI-SG-B264-BL1 – RM 8.2 SIL W, within 50-FT radius of Alternative 1 (move from the primary location approved by EPA on the 6/15/2018 conference call), clayey silt, trace sheen

Note: Sediment descriptions are simplified and AECOM/Geosyntec provided more detailed sediment descriptions in their sampling notes. Trace components are not included in simplified descriptions unless related to sheen or biota.

Photograph(s) of work were taken throughout the day on board the Cayuse, provided to EPA via email, and archived with a description included in the photolog Excel spreadsheet, which are maintained electronically in the ProjectWise project folder.

Borings Completed (Include total footage drilled for each boring):
None

Wastes Generated and How Handled:

- Excess sediment and debris from today's sampling activities was rinsed back into the river per the FSP. No significant sheen was observed today.
- Disposable gloves, paper towels, and other general trash was containerized in a trash bag and removed daily for disposal to a municipal waste management dumpster.

Health and Safety Issues, Equipment Needs, Staffing:
None

Signature: Julee Trump **DATE** June 25, 2018